Trk System Potassium Uptake Protein Trka Homolog 2 (trkA2) Methanosarcina Mazei Recombinant Protein

PRODUCT OVERVIEW

Product Name	Trk system potassium uptake protein trkA homolog 2 (trkA2), Recombinant Protein
Full Product Name	Recombinant Methanosarcina mazei Trk system potassium uptake protein trkA homolog 2 (trkA2)
Product Gene Name	trkA2 recombinant protein
Product Synonym Gene Name	trkA2; trkA; MM_2501
Product Synonym Names	Trk system potassium uptake protein trkA homolog 2; K(+)-uptake protein trkA homolog 2
Sequence	MKAVVIGAGE VGYHIAKFLS LTHDVIVIEN DEDALRRADE LDVQVVEGNG ANADILASVL PDVDILVAVT GVDEVNIVAC MTAKLILRAH PGWKETKTIA RVSNPDYIDV PVTSRAQVGV DIMICPELAL ASEVAEVLSN PSAIDAEMFA GGKVQMMEFA IRPDNRLVGK RMQDIELEDC CIVSAIFRNN DIIIPHGDDF IKANDHMVVV GKPRAMADLE NVFGNEGPHR NRILLIGCGI VGFYLAKIID KDENADLKVI EYRKSRCIEV AEMLENALIL NGDGTDVNLL REENIEDMDV VIAVTDNDEK NLLCSLLAKQ MGAKKVIARA DRSDYVPLFE MVGIDIAVSP REATVNEVLK LTMGKGIEAL ATIEGEKAEI IEYTASGQSK IVGKPLSKIK FPKGAIVTMV VHDDDVIIPR GEFIIREGDR VIIFALSSAV RSVEKLFK
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	48,910 Da
Sequence Positions	1-448aa; full length protein
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for P58936
Species	Methanosarcina mazei (strain BAA-159 / DSM 3647 / Goe1 / Go1 / JCM 11833 / OCM 88) (Methanosarcina frisia)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for trkA2 recombinant protein	MBS1242626 is a recombinant protein targeting trkA2. Also known as Recombinant Methanosarcina mazei Trk system potassium uptake protein trkA homolog 2 (trkA2). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of trkA2 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for trkA2. It may not necessarily be applicable to this product.

NCBI GI #	21228603
NCBI GeneID	1480843

NCBI Accession #	NP_634525.1
UniProt Primary Accession #	P58936
GenBank Nucleotide #	NC_003901.1
NCBI Official Full Name	potassium transporter peripheral membrane component
NCBI Official Symbol	trkA
NCBI Official Synonym Symbols	sapG
UniProt Protein Name	Trk system potassium uptake protein TrkA homolog 2
Protein Family	Trk system potassium uptake protein
UniProt Gene Name	trkA2
UniProt Synonym Gene Names	trkA; K(+)-uptake protein TrkA homolog 2
UniProt Entry Name	TRKA2_METMA
NCBI Protein Information	potassium transporter peripheral membrane component
UniProt Comments for trkA2	Part of a potassium transport system.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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